

Fiscal Year 2006
2nd Quarter
(Oct. - Dec. 2005)

New Hampshire Department of Resources & Economic Development Division of Forests and Lands Quarterly Update



Philip A. Bryce, Director
603-271-2214

pbryce@dred.state.nh.us

Inside this issue:

	<u>page</u>
Forest Management	2 - 3
Natural Heritage	4
Land Management	5
Forest Legacy	5
Fire & Law Enforcement	6
Forest Health	7
Community Forestry	8
Employee Recognition	9
Office of the Director	9

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The 16th Festival of Trees, held at the Urban Forestry Center in Portsmouth on November 18, 19 & 20, was attended by more than 7,000 people. The event featured theme decorated Christmas trees, a miniature tree exhibit, educational displays, and a miniature train.

The first place display (left) was created by Christine & Company of Rye, NH. The theme was "Stepping into the fairy tail of the Snow Queen".



In October heavy rains caused severe flooding in southwestern New Hampshire resulting in several deaths and extensive damage homes, roads, bridges and dams. Forest Ranger staff worked with local officials & other state agencies to coordinate emergency response. Additional forest & lands staff worked with Division of Parks personnel to inspect dams, roads & trails on DRED properties, closing those that were deemed unsafe.

Quarterly Update

Forest Management

Current Ongoing Timber Sale Activity							
Property	Project #	Town	Acres	MBF	Tons/Cds	Value	Status
Nursery	P2-329	Boscawen	100	---	400	\$ 4,000.00	Operating Inactive
Cardigan	P2-366	Orange	95	255.006	1,217	\$117,318.94	Operating Inactive
Gile	P2-365	Springfield	140	227.000	2,011	\$67,557.12	Operating Inactive
Enfield WMA	P2-367	Enfield	90	92.227	527	\$78,800.20	Operating Active
Province Road	P2-363	Dorchester	40	97.800	450	\$ 23,614.5	Operating Active
Kearsarge Mtn.	P2-360	Warner & Salisbury	140	315.000	2,280.1	\$115,849.30	Contracted
Wade	P2-361	Hill	34	114.150	237	\$26,066.00	Completed
Hemenway	P2-359	Tamworth	40	205.800	200	\$ 28,312.60	Operating Inactive
Cardigan	P2-323	Orange	111	104.250	425	\$11,805.00	Operating Inactive
Alton Bay	P2-369	Alton	30	51.500	1,070	\$13,812.50	Completed
Pine River	P2-371	Effingham	65	201.500	1,651	\$30,517.50	Completed
Ellacoya	P2-373	Gilford	41	142.100	802	\$28,937.25	Sale Pending
Lower Shaker	P2-372	Enfield	6	116.200	1,737	\$17,410.00	Sale Pending
Gile	P2-370	Springfield	248	168.165	2,442	\$61,112.53	Contracted
Cardigan	P2-364	Orange	85	171.400	2,459	\$48,439.00	Sale Pending
Blackwater	P1-470	Salisbury	47.0	380.865	780	\$88,000	Operating Inactive
Blackwater	P1-478	Salisbury	45.0	153.210	340	\$29,400	Operating Active
Bear Brook	P1-474	Allenstown	165.0	252.000	1993	\$61,718	Contracted
Lamontagne & Woodman Marsh WMS	P1-468	Deerfield & Northwood	77	169.347	433 (cords)	\$34,800.46	Operating Inactive
Powder Mill Pond WMA	P1-472	Greenfield	73	90.164	1003	\$10,819.51	Operating Inactive
Perkins Pond WMA	P1-437	Weare	100	209.889	436 (cords)	\$26,107.44	Operating Inactive
Nash Stream	P3-373	Stratford	150	209.115	2882	60,952.00	Sale Pending
Nash Stream	P3-370A	Stark	265	109.765	4113	52,732.00	Operating Inactive

Inventory			
Property	Town	Field Work (acres)	Inventory Reports & Mapping (acres)
Foster-Colburn	Wentworth		Stand sheets (240)
Nash Stream	Stratford & Odell		Type map (1065)
Hemenway	Tamworth	50	
Gile	Springfield	130	
Jones Brook	Middleton, New Durham		Stand map (1195)
Pawtuckaway	Nottingham	87.5	Data management (805)
Shaker	Canterbury	150	150
Corey WMA	Deerfield		Report & map(172)
Pawtuckaway	Deerfield & Nottingham		235.2

Forest Management *continued*

Forest Management Quarterly Highlights

Forestry & Wildlife Program	<p>South Region – 64 acres of mowing, 4 acres of old orchard maintenance, 7.6 acres old field restoration.</p> <p>North Region – 5 acres bronto work at Pine River, preliminary work for possible alder regeneration at Nash Bog.</p> <p>Central Region – 9.9 acres pitch pine restoration.</p> <p>Flood Control Areas – 6.1 acres mowing, 4.6 acres harrowing food plots.</p>
Forest Roads	<p>Replaced large culvert on Nash Stream Road for snowmobile safety.</p> <p>Inspected tracts in Grafton, Belknap, Cheshire, Hillsborough, Merrimack & Sullivan Counties for erosion/flood damage.</p> <p>3.1 miles road grading and repair in the Central Region.</p>
Education & Outreach	<p>Regional staff gave 2 tours of Nash Stream timber sales for loggers and municipal workers workshops.</p> <p>Participated as guest teacher at White Mountain School, participated in 3 other school programs.</p> <p>Staffed informational booth at the Tree Farm Field Day</p>
Nursery	<p>Work focused on seed collection, processing, and planting. 18,000 linear feet of seedbed were planted.</p> <p>All other areas put to bed for the winter. Staff produced and mailed the 2006 nursery seedling catalog to 3,500 customers.</p>
Recreation	<p>Staff attended the first meeting of the Connecticut Lakes Headwaters Forest Recreation Advisory team.</p> <p>First set of Trout Unlimited, Nash Stream restoration project proposals have been submitted.</p> <p>Snowmobile trail work at Pine River & Annett State Forests</p>
Technical Assistance	<p>Staff assisted in the measurement of 2 roadside basal area violations in Pittsburg. Worked with local Fire & Police departments to develop a strategy for dealing with safety issues at Livermore Falls SF.</p> <p>4 Basal Area Variance requests reviewed, 3 approved & 1 denied.</p>
TSI	<p>Assisted in crop tree release of red maple test plots at Max Isreal SF.</p>
Easement monitoring	<p>No activity</p>
Special Use Permits	<p>Approved permit for haunted hayride, Old Hill Village – Flood Control Area. Assisted with Right of Way agreement at Ballard SF.</p>
Timber Harvest Preparation	<p>Timber sales are being prepared on the following properties:</p>

Property	Town	Status
Agnew State Forest	Jefferson	Marking completed
Forest Lake	Dalton	Prescription cruise completed
Gile	Springfield	Prescription cruise completed
Webster Lake WMA		Prescription cruise completed
H.L. Webster WMA		Prescription cruise completed
Livermore Falls	Campton	Marking completed
Low	Bradford	Marking underway
Totten Trails	Henniker	Layout & marking underway
Fox	Hillsboro	Prescription cruise & layout underway
Franklin Falls FCA	Franklin	Prescription cruise completed
Carpenter's Marsh WMA		Prescription cruise underway

Quarterly Update

Natural Heritage

Activities	Information	Qtr	Ytd
Database records added or updated	Biotics: Mapper and Tracker databases	928	1178
Environmental reviews	For: DES / DOT / federal grants / planning boards	420	706
Information requests – GIS		18	29
– Other		900	1800
Landowners contacted – survey permission	Section 6: Liatris	3	13
Projects opened		0	3
Projects closed	Section 6 2005, Conservation License Plate 2005	2	2
Reports prepared	Lake Wentworth Foundation, NH Natural Community Systems, Comprehensive Wildlife Plan final summary report, Ossipee Lake preliminary report, Isotria 2005, Astragalus 2005, Liatris 2005, Scirpus 2005,	8	8
Training / Workshops presented / Assisted	Core Heritage Training, Maine Natural Areas Program information manager training. Natural Community workshop for SLMT	3	5
Training / Workshops Attendees	Core Heritage (28), MNAP (2)	30	75
Other outreach	Friends of Pisgah annual meeting	1	1
Web page additions	4 new Visit NH Biodiversity brochures added, Monthly updates	7	10
Professional Improvement Training Attended	Exchanger training via Citrix (1)	1	4
Committee / Meetings Attended	ArcView Users Group, NH GIS Advisory Committee, Comprehensive Wildlife planning meetings, State Land Management Team, NH Invasive Species Committee, F&L GIS Planning Group, Eastern Regional Ecologists, DRED GIS planning Group, Field Technology group, Fish & Wildlife Service inter-state Isotria planning meeting, Flora of New England meeting, NatureServe US Section Council	12	20
Conferences Attended		0	3



NH NATURAL HERITAGE BUREAU

VISITING NEW HAMPSHIRE'S BIODIVERSITY

PONEMAH BOG



a property owned and managed by
New Hampshire Audubon



This brochure was paid for with funds from
the NH Conservation License Plate
www.mooselate.com



*The NH Natural Heritage Bureau (NHB) has just published four new guides in their ongoing **Visiting New Hampshire's Biodiversity** series. These interpretive trail brochures are designed to allow the public to view and experience some of the state's best examples of exemplary natural communities and systems. New sites for this year include marshes at Bellamy River Wildlife Sanctuary in Dover, kettle hole bog system at Ponemah Bog in Amherst (shown left), salt marsh at the Sandy Point Discovery Center in Stratham, and kettle hole bog system at Philbrick-Cricenti Bog in New London.*

Land Management

Land Management

- Property mapping conducted on 13 properties, surveys conducted on 2 properties.
- Land management high focus issues this quarter include: wind energy generation, trash disposal on state land, removal of homeless encampment from White Farm State Forest, access road repairs, , and water & sewer right requests on state land.
- Provided mapping, communications support, and field inspection teams during the October flooding.

Acquisitions

- Continued work on the following non-federal forest land acquisitions: Scribner-Fellows & Allen State Forest gift of land & ROW.
- Continue to work on the following acquisitions for Division of Parks: Mt. Washington Summit/Dartmouth tract, Jerico Lake - Berlin, Palmer group fee and easement lands - Twin Mtn., Rockingham Recreation Trail improvement project.

Technical Assistance

- Issued 4 special use permits on DRED lands
- Assisted the Fish & Game department with land protection projects at Great Bay.
- Reviewed surplus request for protective well radii at Paugus Bay SF and utility poles and wire at Foster & Colburn SF.

Boundary Line Maintenance

- 14.2 miles of boundary line maintenance was conducted on DRED properties including Fall Mountain and Foster & Colburn State Forests.



Nash Stream Camps - Land Management staff continues to work to put into practice state approved septic systems for Nash Stream camps.

Forest Legacy Program

The Forest Legacy Program is a partnership between participating States and the USDA Forest Service to identify and help protect environmentally important forests from conversion to non-forest uses. Conservation easements are the main tool used for protecting these lands. The Division of Forests and Lands administers this program; negotiating easement terms, overseeing survey, title, appraisal work, easement monitoring, project selection and grant compliance.

The 2005 national Forest Legacy Program Manager's meeting, held in Indianapolis, Indiana, was attended by the Forest Resource Planner & Land Management Administrator.

Year-to-Date Status of New Hampshire Forest Legacy Projects

Project	Acres	Application Approved	Funding Status	Project Status
13 Mile Woods II <i>Errol, Cambridge</i>	5,316	8/13/02	FY 05 \$1,900,000	Project Completed August 10, 2005
Moose Mountain <i>Middleton, Brookfield, New Durham, Alton</i>	2,081	8/13/02	FY 04 \$988,000	limited use appraisal completed & under review anticipate closing February 2006
Rossvie Farm <i>Concord</i>	515	5/25/04	FY06 \$1,970,000	easement under development appraisal completed
Willard Pond <i>Stoddard, Antrim</i>	2,031	9/23/04	FY06 \$542,000	Easement drafting underway
Page Brook <i>Meredith</i>	567	9/30/05	FY07 request	Appraisal underway
Phillips Brook <i>Odell, Millsfield, Dummer, Columbia, Ervings Location</i>	23,718	9/30/05	FY07 request	Easement under development
Temple Mountain	293	9/23/04	FY06 request	Alternative funding source being

Quarterly Update

Forest Fire & Law Enforcement

Law Enforcement Activity																
	Deceptive Forestry		Timber Trespass		Water Quality		B/A Slash		Timber Tax		Fire		Other		Total	
	qtr	ytd	qtr	ytd	qtr	ytd	qtr	ytd	qtr	ytd	qtr	ytd	qtr	ytd	qtr	ytd
Court Summons - Felony	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Court Summons - Misdemeanor	1	1	0	0	0	0	5	5	0	0	0	0	0	0	6	6
Court Summons – Violation	0	0	0	0	2	2	4	5	0	1	4	11	0	0	10	19
Administrative Summons	0	0	1	1	2	2	0	0	1	1	0	1	0	0	4	5
Warning	2	4	3	6	10	15	8	27	11	19	10	22	0	1	44	94
Cease & Desist	0	0	0	0	5	6	0	0	1	1	0	1	0	0	6	8
Total	3	5	4	7	19	25	17	37	13	22	14	35	0	1	70	132
Timber Sale Activity																
			Qtr		YTD											
Number of Intents Filed			696		1608											
Number of Initial Inspections			414		892											
Number of Reinspections			92		167											
Fire Protection and Prevention Activities																
			Qtr		YTD											
Number of Fires			14		86											
Total Acres			2.8		23.888											
Number of Structures			0		0											
Reported by:																
Tower			5		34											
Air Patrol			0		0											
Mobile Patrol			0		3											
Citizen Call			5		28											
Ranger			4		21											
Outreach																
			Total		Attendees											
			Qtr		YTD		Qtr		YTD							
Calls for Service – Timber Law Enforcement			84		309											
Calls for Service – Fire Law Enforcement			79		213											
Calls for Service – Fire protection			104		349											
Student Presentations			9		22		507		2399							
Public Presentations			13		46		446		1748							
Fire Training			11		15		112		242							
Timber Law Enforcement Training			2		3		66		76							



The family of Allan Bean was presented a plaque from the Division of Forests and Lands in appreciation of his 22 years of service as a Forest Fires Watchman/Patrolman in the North Country. Presented at the Ammonusuc Warden's Association Meeting.

Forest Health

Highlights: A post suppression survey was completed this fall inspecting hemlock trees in and around sites where hemlock woolly adelgid infested trees were planted and shortly there after destroyed in 2004. 78 sites in 9 counties were inspected. No adelgid was found at any locations. There are no known infestations outside Rockingham County.

Outreach

- Participated in state-wide forest health workshop attended by 117 professional foresters and Biologists.
- Participated in two workshops regarding the health of white pine in NH

Regulation

- Continue Quarantine on movement of hemlock roundwood out of Rockingham County requiring timber harvest inspections and inspections of forest lots and yards.
- Continue permitting process for specific ribes plants with regard to the state blister rust quarantine.

Technical Assistance

- Responded to 45 requests for information
- Made 10 site visits to land owners with forest/tree health problems.

Forest Health Evaluation

- Completed post suppression survey at 78 sites where infested hemlocks got planted accidentally in 2004. No adelgid was found at any sites.
- Pheromone trapping for Forest Tent caterpillar was completed in three zones. The central zone in and around Sullivan County produced the highest numbers of moths caught. The southern zone in and around Cheshire County produced slightly fewer moths, and the northern zone in and around Grafton County maintained low but equal numbers of moths caught from the previous year. This trap catch corresponds well with where the majority of defoliation was this past summer. Based on this survey we expect more defoliation than last year in the southern zone and equal amounts of damage in the central and northern areas.
- Results of the spruce budworm pheromone survey suggest no defoliation will occur in Coos County in 2006. SBW Moth populations have been at endemic levels for two decades.

Active Forest Pests					
Pest	Origin	Location	Acres Damaged	Population Status	Notes
anthracnose	Native	Statewide	5,642	↑	Heaviest in Rockingham County
Tar spot disease	Native	Statewide	11,116	↑	Major damage in Rockingham County
Forest Tent caterpillar	Native	Statewide	66,079	↑	Damage found in and around Sullivan County
Balsam Woolly Adelgid	Non-native	Statewide	9,554	→	Damage found in most fir stands below 2000 feet elevation
Pine needleminer	Native	Carroll Co.	4,273	→	
Birch dieback complex	Native	Statewide	3,288	↑	Factors include bark beetles, wood borers, ice storm damage
Gypsy Moth	Non-native	Southern NH	1,573	↓	Most damage found in Lakes Region
Hemlock borer	Native	Statewide	397	→	
Caliciopsis canker	Unknown	Central NH	Unknown	→	Damage most severe on stressed white pine on the upper bole.
white pine blister rust	Non-native	Statewide	Unknown	↓	Incidence of infection statewide is 2%
Lecanium scale	Native	Statewide	Unknown	↑	2005 marked the worse outbreak on record
Asian longhorned beetle	Non-native	Not in NH			Surveys done annually to detect presence
Emerald ash borer	Non-native	Not in NH			Surveys done annually to detect presence
Sudden Oak Death	Non-native	Not in NH			Surveys done annually to detect presence
Sirex Woodwasp	Non-native	Not in NH			Surveys done annually to detect presence
Hemlock woolly adelgid	Non-native	Rockingham County	10	→	All known infestations outside Rockingham Co. have been eradicated



Forest Tent Caterpillar

Quarterly Update

Community Forestry & Stewardship

Outreach & Education

- 11 Programs were presented at the Urban Forestry Center and Shieling Forest. They were attended by 131 people.
- The Festival of Trees, cosponsored by the Division of Forests and Lands and the Portsmouth Garden Club, was held in December at the Urban Forestry Center and was attended by approximately 7,000 people. *(see picture page 1)*
- Coming Events flyers for programs at the Urban Forestry Center and Shieling Forest were distributed to 4,653 individuals.
- Staff responded to 476 requests for information
- Presented 1 Chainsaw Safety workshop for DES held off-site.
- Updated or developed the following brochures: Farm & Forest Expo, Forestry Forums, and Granite State Division – Society of American Foresters Buy-A-Board brochure to benefit Habitat for Humanity.
- Displays & demonstrations designed – Habitat Restoration Project – Brontosaurus Mowing, Festival of Trees Forestry Exhibit.

Community Assistance

- Community Tree Stewards met with Portsmouth & Somersworth to review spring planting sties and with representatives from Peterborough to initiate projects there.
- Provided assistance to the following communities: Portsmouth, Durham, Somersworth, Gilford, Pittsfield, Dover, Rochester, and Franklin.

Partnership Activities

- Coordinated volunteer activities for Portsmouth High School students & Life Share program.
- Presented at the following partner-sponsored events: Thompson School Sawmill Project & Woodsmen's Meet, USDA Forest Service Grant's Workshop.

*Upon her resignation from the Community Forestry Advisory Council (CFAC), **Mary Flannery** (holding plaque) of the Portsmouth Garden Club was presented with a plaque thanking her for her contributions to the Council over the past several years.*



URBAN FORESTRY				
Activities	Information	Qtr	YTD	
NH TREE CITY USA Program	Current TREE CITY USA Communities	22	22	
	New TREE CITY USA Communities	0	0	
	TREE CITY USA Community presentations	7	13	
Special TREE CITY USA Projects	Submitted 2005 National Arbor Day Foundation Award nomination for "Good Steward Award". Awarded to Thomas N. Thomson, Orford, NH. Submitted 2005 ISA Gold Leaf Award nominations. Awarded to Dr. Bruce R. Bragdon, DMD, Durham, NH, for Outstanding Landscape Beautification Activities.	2	2	
NH Tree Memorials Program	Program inquiries	21	34	
	Projects initiated	0	0	
	Projects completed	0	2	
NH Arborists Association Arborist Certification Program	Current certified arborists	87	87	
	New certified arborists	3	10	
	Arboriculture training seminars	31	90	
Resource Information Requests	Urban forestry/arboriculture management recommendations	123	333	
Training/Workshops Presented/Assisted	NH Arborists Association	1	7	
Publication Requests	Planting Trees in Designed & Built Community Landscapes; Selecting Trees for Urban Landscape Ecosystems: Hardy Species for Northern New England Communities.	317	603	
Professional Improvement/ Training Attended	ISA New England Chapter Annual Conference	1	1	
Committee/Association Meetings Attended	NH Arborists Association Certification Committee; Tree Care Industry Association; ISA New England Chapter Board of Directors; NH Arborists Association Board of Directors; NH Horticultural Industries Council	5	10	

Office of the Director

Legislative activity: The Division of Forests and Lands continues to work with members of the NH legislature and forestry community on House Bill 1603 which would (1) require all forest rangers hired after 1/1/05 to complete full-time police officer training, (2) authorize the director of forests and lands to regulate entry into or movement within the state of any wood product which may cause the introduction or spread of a dangerous insect or disease, (3) define and registers wood concentration yards, and (4) penalize the failure to provide a written contract for the purchase of forest products as deceptive forestry business practices.

Northeast State Foresters Association (director serves as president)

Two projects were completed: – **Low-grade Wood Markets Business Plans** and **Regional Wood Products Branding** (branding report on line at nefainfo.org.).

\$135,000 in grant funding was awarded to 21 innovative, community-generated projects that strengthen local forest-based economies, communities and the environment in the Northern Forest. The competitive grant program is a collaboration of the Northern Forest Center, the North East State Foresters Association (NEFA) and the USDA Forest Service.

Connecticut Lakes Headwaters Conservation Easement: The 10 years stewardship plan submitted by Lyme Timber for this 145,600 acre property was approved

Current Use Board (director serves as chair): Work continues on updating the computer model used to calculate forestland ranges. Forest management cost data is being collected from landowners.

At the four, annual fall current use forums public input was sought regarding the Current Use rules, which are up for renewal. The deadline for submitting input to the Department of Revenue Administration on Current Use rules is January 20, 2006.

Farm Bill: Testimony was presented to USDA Under Secretary Tom Dorr at a Farm Bill forum in Manchester, NH. The division with other forestry & conservation organizations to send a letter to the NH Congressional Delegation emphasizing the importance of forestry and conservation in the Farm Bill.

Forester Licensing Board (director serves as chair):

Number of new licensees: 2

Number of disciplinary actions: 0

Number of complaints under investigation: 1



Employee Recognition & Personnel Status

Personnel

In December, **Kim Silver** joined the Division of Forests and Lands staff as a Grants & Contracts Technician. Kim has been with the Department for 5 years, previously working as an accountant in the DRED business office.

The Division of Forests and Lands hired **Kyle Lombard**, previously a forest health specialist in the forest health section, as the Forest Entomologist and Coordinator of the Divisions Forest Health Program.

Vacancies

Current division vacancies include: Forest Technician III, Land Agent, & Forest Ranger I.

*In October Forest Rangers **Steve Kessler** and **Neil Bilodeau** graduated from the New Hampshire Police Academy as full-time police officers. Shown (from left to right) are: Assistant Director Robert Stafford of NH Police Standards & Training, Director Philip Bryce, Forest Protection Chief Brad Simpkins, and Rangers Steve Kessler and Neil Bilodeau.*

For More Information:

New Hampshire Division of Forests and Lands

PO Box 1856

Concord, NH 03302-1856

603-271-2214